

I hereby certify that this correspondence is being deposited  
with the United States Postal Service as first-class mail  
addressed to:  
Assistant Commissioner for Patents  
Washington, D.C. 20231

May 30, 2002  
By Michelle Chan  
Michelle Chan



PATENT  
100/13010  
RECEIVED  
JUN 06 2002  
TC 1700

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

RING-LING CHIEN et al.

Application No.: 10/076,136

Filed: February 14, 2002

For: MICROFLUIDIC SYSTEMS WITH  
ENHANCED DETECTION SYSTEMS

Examiner: Unknown

Art Unit: Unknown

INFORMATION DISCLOSURE  
STATEMENT UNDER 37 CFR § 1.97  
AND 1.98

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

The references cited on the attached form PTO-1449 are being called to the  
attention of the Examiner. A copy of each reference is enclosed.

It is respectfully requested that the cited information be expressly considered  
during the prosecution of this application, and the references be made of record therein and  
appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR § 1.97(g) and (h), no inference should be made that the  
information and references cited are prior art merely because they are in this statement and no  
representation is made that a search has been conducted or that this statement encompasses all  
possible relevant information.

RING-LING CHIEN et al.  
Serial No. 10/076,136  
Page 2



Applicants believe that no fee is required for submission of this statement, since it is being submitted within three months of the filing date or prior to the first Office Action. However, if a fee is required, the Commissioner is authorized to charge such fee to Deposit Account No. 03-0177. Please charge any additional fees or credit any overpayment to the above-noted deposit account.

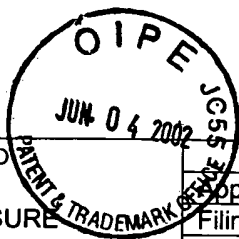
Respectfully submitted,

Gulshan H. Shaver  
Reg. No. 37,496

RECEIVED  
JUN 06 2002  
TC 1700

CALIPER TECHNOLOGIES CORP.  
605 Fairchild Drive  
Mountain View, CA 94043  
Ph: (650) 623-0700  
Fax: (650) 623-0500

GHS:mc

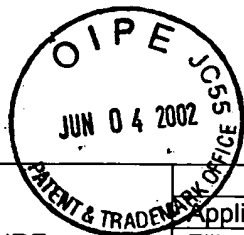


Substitute for form 1449A-B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>	Complete if Known	
	Application Number	<b>10/076,136</b>
	Filing Date	<b>February 14, 2002</b>
	First Named Inventor	<b>Chien</b>
	Group Art Unit	
	Examiner Name	
Attorney Docket Number		<b>100/13010</b>

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	AA	4,390,403		Batchelder	06-28-1983	
	AB	4,908,112		Pace	03-13-1990	
	AC	5,126,022		Soane et al.	06-30-1992	
	AD	5,498,392		Wilding et al.	03-12-1996	
	AE	5,571,410		Swedberg et al.	11-05-1996	
	AF	5,585,069		Zanzucchi et al.	12-17-1996	
	AG	5,603,351		Cherukuri et al.	02-18-1997	
	AH	5,635,358		Wilding et al.	06-03-1997	
	AI	5,637,469		Wilding et al.	06-10-1997	
	AJ	5,699,157		Parce	12-16-1997	
	AK	5,750,015		Soane et al.	05-12-1998	
	AL	5,800,690		Chow et al.	09-01-1998	
	AM	5,858,195		Ramsey	01-12-1999	
	AN	5,869,004		Parce et al.	02-09-1999	
	AO	5,876,675		Kennedy	03-02-1999	
	AP	5,880,071		Parce et al.	03-09-1999	
	AQ	5,882,465		McReynolds	03-16-1999	
	AR	5,885,470		Parce et al.	03-23-1999	
	AS	5,942,443		Parce et al.	08-24-1999	
	AT	5,948,227		Dubrow	09-07-1999	
	AU	5,955,028		Chow	09-21-1999	
	AV	5,958,694		Nikiforov	09-28-1999	
	AW	5,959,291		Jensen	09-28-1999	
	AX	5,965,410		Chow et al.	10-12-1999	
	AY	5,976,336		Dubrow et al.	11-02-1999	
	AZ	5,989,402		Chow et al.	11-23-1999	
	BA	6,001,231		Kopf-Sill	12-14-1999	
Examiner Signature					Date Considered	

**RECEIVED**  
JUN 06 2002  
**TC 1700**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



(Modified) PTO/SB/08A-B (10-96)  
Approved for use through 10/31/99. OMB 0651-0031

Substitute for form 1449A-B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>	<b>Complete if Known</b>	
	Application Number	<b>10/076,136</b>
	Filing Date	<b>February 14, 2002</b>
	First Named Inventor	<b>Chien</b>
	Group Art Unit	
	Examiner Name	
	Attorney Docket Number	<b>100/13010</b>

**RECEIVED**  
JUN 06 2002  
TC 1700

	BB	6,012,902		Parce	01-11-2000	
	BC	6,046,056		Parce et al.	04-04-2000	
	BD	6,074,725		Kennedy	06-13-2000	
	BE	6,100,541		Nagle et al.	08-08-2000	
	BF	6,221,226		Kopf-Sill	04-24-2001	
	BG	6,224,830		Harrison et al.	05-01-2001	
	BH	6,319,472		Ackley et al.	11-20-2001	
	BI					

#### FOREIGN PATENT DOCUMENTS

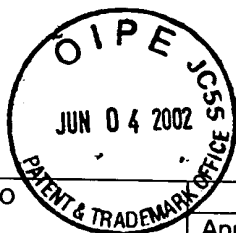
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Office	Number	Kind Code (if known)				
	BJ	WO	9604547		Lockheed Martin	02-15-1996		
	BK	WO	9702357		Affymetrix, Inc.	01-23-1997		
	BL							

#### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	BM	COHEN, C.B. et al., "A Microchip-Based Enzyme Assay for Protein Kinase A," <u>Anal. Chem.</u> (1999) 273:89-97	
	BN	DARIDON, A. et al., "Chemical sensing using an integrated microfluidic system based on the Berthelot reaction," <u>Sensors and Actuators</u> (2001) B76:235-243	
	BO	DASGUPTA, P.K. et al., "Electroosmosis: A Reliable Fluid Propulsion System for Flow Injection Analysis," <u>Anal. Chem.</u> (1994) 66:1792-1798	
	BP	DENNINGER, M. et al., "Absorbance Detection in Microsystems: Microcuvette & Waveguide Approach," <u>Euroensors XIV</u> (8/2000) Denmark 825-827	
	BQ	JACOBSON, S.C. et al., "Fused Quartz Substrates for Microchip Electrophoresis," <u>Anal. Chem.</u> (1995) 67:2059-2063	
	BR	LIANG, Z. et al., "Microfabrication of a planar absorbance and fluorescence cell for integrated capillary electrophoresis devices," <u>Anal. Chem.</u> (1996) 68:1040-1046	
	BS	MANZ, A. et al., "Electroosmotic pumping and electrophoretic separations for miniaturized chemical analysis systems," <u>J. Micromech. Microeng.</u> (1994) 4:257-265	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



(Modified) PTO/SB/08A-B (10-96)  
Approved for use through 10/31/99. OMB 0651-0031

<b>Substitute for form 1449A-B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	10/076,136
		Filing Date	February 14, 2002
		First Named Inventor	Chien
		Group Art Unit	
		Examiner Name	
		Attorney Docket Number	100/13010

**RECEIVED**  
JUN 06 2002  
TC 1700

BT	RAMSEY, J.M. et al., "Microfabricated chemical measurement systems," <u>Nature Med.</u> (1995) 1:1093-1096	
BU	SUNDBERG, S., "High-throughput and ultra-high-throughput screening: solution- and cell-based approaches," <u>Current Opinions in Biotechnology</u> (2000) 11/47-53	
BV	SEILER, K. et al., "Planar Glass Chips for Capillary Electrophoresis: Repetitive Sample Injection, Quantitation, and Separation Efficiency," <u>Anal. Chem.</u> (1993) 65:1481-1488	
BW	SEILER, K. et al., "Electroosmotic Pumping and Valveless Control of Fluid Flow Within a Manifold of Capillaries on a Glass Chip," <u>Anal. Chem.</u> (1994) 66:3485-3491	
BX		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.